

# EXHIBIT E

**Rita Charles  
BioMarin Pharmaceutical, Inc.  
Intellectual Property  
Biotechnology Specialist  
11 Pimentel Court  
Novato, Calif 94949**

[illegible]

371 Bel Marin Keys Boulevard  
Suite 210 • Novato, CA 94949

103 H4T 1A0 030045 22 MAY 1965  
 WWW. POS 225X APR 23 1965  
 PB AFTER COMPUTER  
 WWW. CATHS 030045 22 MAY 1965 CANADA

**ସ୍ଥଳ ପଥ**

BIOMARIN  
PHARMACEUTICAL INC

August 29, 2003

Brigitte Groulx  
c/o Biochem Pharma  
Cancer Biology Dept.  
275 Armand Frappier  
Laval, QC H7V 4A7  
Tel: 450-978-7903

*Left Shire Biochem  
May 2001*

Re: U.S. Patent Application No. 08/722,659  
Title: Use of Heparinase to Decrease Inflammatory  
Response  
Inventors: Bennett *et al.*  
Filed: September 27, 1996  
Our reference No.: 104385.140

Dear Brigitte,

In furtherance of our prosecution of the above named patent, please sign the enclosed Declaration in blue ink and return it to me as soon as possible.

A return envelope is provided for your convenience.

If you have any questions regarding your Declaration or the present proceedings in the U.S. Patent and Trademark Office, please feel free to contact me directly at 415-884-6709 or [lbigornia@bmrn.com](mailto:lbigornia@bmrn.com).

Sincerely,



Luisa Bigornia Ph.D., Esq.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
BENNETT <i>et al.</i>	)	Group Art Unit: 1644
	)	
Serial No.: 08/722,659	)	Examiner: A. DeCloux
	)	
Filed: September 27, 1996	)	
	)	
For: USE OF HEPARINASE TO DECREASE INFLAMMATORY RESPONSE		

Commissioner for Patents  
Washington, D.C. 20231

**DECLARATION UNDER 37 C.F.R. § 1.132  
OF BRIGETTE GROUX**

I, Brigitte Grouix, do hereby declare that:

1. I am a joint inventor of the subject matter claimed in the above-identified application, along with Elizabeth Cauchon, Dominique Fink, Ariane Hsia, Joseph Zimmermann, D. Clark Bennett, and Pamela Danagher.
2. I am informed and believe that U.S. Patent No. 5,997,863 ("the '863 patent"), a copy of which is attached as Exhibit A, has been cited against the claims of the above-identified application. In particular, I am informed and believe that Example 8 found at col. 17, line 63-col. 18, line 29 has been cited against the above-captioned application in a prior art rejection.
3. While I am a co-inventor of the above-captioned application, I did not make an inventive contribution to the subject matter recited in paragraph 2. In particular, I was not involved in the animal model work described in Example 8 involving the local administration of heparinase to enhance revascularization, described generally at col. 17, line 63-col. 18, line 29.
4. The undersigned declares further that all statements made herein of my own

knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing therefrom.

Signed at \_\_\_\_\_

this \_\_ day of \_\_\_\_\_, 2003.

\_\_\_\_\_  
Brigette Grouix

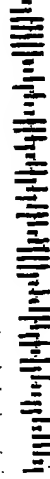
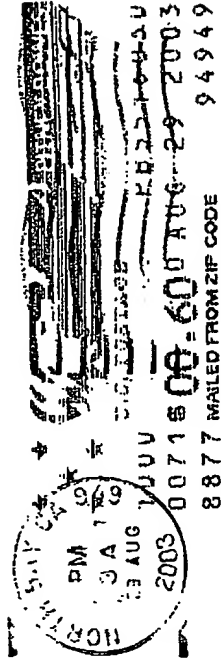
Luisa Bigornia

**BIO-MARIN**

PHARMACEUTICAL INC

371 Bel Marin Keys Boulevard  
Suite 210 • Novato, CA 94949

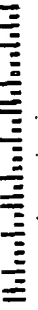
Ariane Hsia  
c/o RIV LTD.  
22 West  
Toronto,



MOVED / UNKNOWN // DEMENAGE / INCONNU  
RETURN TO SENDER  
RENVOI A L'EXPEDITEUR  
CA 94949  
USA



00101/3



# BIOMARIN

PHARMACEUTICAL INC

August 29, 2003

Ariane Hsia  
c/o RIV LTD.  
22 Wesllesley St. East  
Toronto, Ontario  
M4Y 1Y3

Re: U.S. Patent Application No. 08/722,659  
Title: Use of Heparinase to Decrease Inflammatory  
Response  
Inventors: Bennett *et al.*  
Filed: September 27, 1996  
Our reference No.: 104385.140

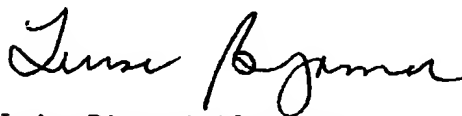
Dear Ariane,

In furtherance of our prosecution of the above named patent, please sign the enclosed Declaration in blue ink and return it to me as soon as possible.

A return envelope is provided for your convenience.

If you have any questions regarding your Declaration or the present proceedings in the U.S. Patent and Trademark Office, please feel free to contact me directly at 415-884-6709 or [lbigornia@bmrn.com](mailto:lbigornia@bmrn.com).

Sincerely,



Luisa Bigornia Ph.D., Esq.

LSB/rvc

Attorney Docket No. 104385.140

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
BENNETT <i>et al.</i>	)	Group Art Unit: 1644
	)	
Serial No.: 08/722,659	)	Examiner: A. DeCloux
	)	
Filed: September 27, 1996	)	
	)	
For: USE OF HEPARINASE TO DECREASE INFLAMMATORY RESPONSE	)	

Commissioner for Patents  
Washington, D.C. 20231

**DECLARATION UNDER 37 C.F.R. § 1.132  
OF ARIANE HSIA**

I, Ariane Hsia, do hereby declare that:

1. I am a joint inventor of the subject matter claimed in the above-identified application, along with Elizabeth Cauchon, Dominique Fink, Brigitte Grouix, Joseph Zimmermann, D. Clark Bennett, and Pamela Danagher.

2. I am informed and believe that U.S. Patent No. 5,997,863 ("the '863 patent"), a copy of which is attached as Exhibit A, has been cited against the claims of the above-identified application. In particular, I am informed and believe that Example 8 found at col. 17, line 63-col. 18, line 29 has been cited against the above-captioned application in a prior art rejection.

3. While I am a co-inventor of the above-captioned application, I did not make an inventive contribution to the subject matter recited in paragraph 2. In particular, I was not involved in the animal model work described in Example 8 involving the local administration of heparinase to enhance revascularization, described generally at col. 17, line 63-col. 18, line 29.

4. The undersigned declares further that all statements made herein of my own

knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing therefrom.

Signed at \_\_\_\_\_

this \_\_ day of \_\_\_\_\_, 2003.

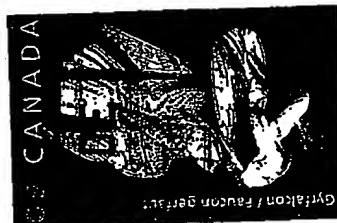
\_\_\_\_\_  
Ariane Hsia

**BIO-MARIN**  
P H A R M A C E U T I C A L I N C

371 Bel Marin Keys Boulevard  
Suite 210 • Novato, CA 94949

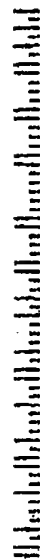
**Air Mail Par avion**

Rita Charles  
BioMarin Pharmaceutical, Inc.  
Intellectual Property  
Biotechnology Specialist  
11 Pimentel Court  
Novato, Calif 94949



103 H4T  
CANADA 30910  
POSTAL  
15-15-15  
2005 ESC-373-3-3-3  
70000 CANADAPOST L. C3

3494985661 C057



BIOMARIN  
PHARMACEUTICAL INC

August 29, 2003

Ms. Dominique Fink  
4632 rue Chambord  
Montreal, Quebec  
H2J 3M7

Re: U.S. Patent Application No. 08/722,659  
Title: Use of Heparinase to Decrease Inflammatory  
Response  
Inventors: Bennett *et al.*  
Filed: September 27, 1996  
Our reference No.: 104385.140

Dear Ms. Fink,

In furtherance of our prosecution of the above named patent, please sign the enclosed Declaration in blue ink and return it to me as soon as possible.

A return envelope is provided for your convenience.

If you have any questions regarding your Declaration or the present proceedings in the U.S. Patent and Trademark Office, please feel free to contact me directly at 415-884-6709 or [lbigornia@bmrn.com](mailto:lbigornia@bmrn.com).

Sincerely,



Luisa Bigornia Ph.D., Esq.

LSB/rvc

Attorney Docket No. 104385.140

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
BENNETT <i>et al.</i>	)	Group Art Unit: 1644
	)	
Serial No.: 08/722,659	)	Examiner: A. DeCloux
	)	
Filed: September 27, 1996	)	
	)	
For: USE OF HEPARINASE TO DECREASE INFLAMMATORY RESPONSE		

Commissioner for Patents  
Washington, D.C. 20231

**DECLARATION UNDER 37 C.F.R. § 1.132  
OF DOMINIQUE FINK**

I, Dominique Fink, do hereby declare that:

1. I am a joint inventor of the subject matter claimed in the above-identified application, along with Elizabeth Cauchon, Brigitte Grouix, Ariane Hsia, Joseph Zimmermann, D. Clark Bennett, and Pamela Danagher.
2. I am informed and believe that U.S. Patent No. 5,997,863 ("the '863 patent"), a copy of which is attached as Exhibit A, has been cited against the claims of the above-identified application. In particular, I am informed and believe that Example 8 found at col. 17, line 63-col. 18, line 29 has been cited against the above-captioned application in a prior art rejection.
3. While I am a co-inventor of the above-captioned application, I did not make an inventive contribution to the subject matter recited in paragraph 2. In particular, I was not involved in the animal model work described in Example 8 involving the local administration of heparinase to enhance revascularization, described generally at col. 17, line 63-col. 18, line 29.
4. The undersigned declares further that all statements made herein of my own

knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing therefrom.

Signed at \_\_\_\_\_

this \_\_ day of \_\_\_\_\_, 2003.

\_\_\_\_\_  
Dominique Fink

BIOMARIN  
P H A R M A C E U T I C A L I N C

047

August 29, 2003

Ms. Dominique Fink  
4632 rue Chambord  
Montreal, Quebec  
H2J 3M7

Re: U.S. Patent Application No. 08/722,659  
Title: Use of Heparinase to Decrease Inflammatory  
Response  
Inventors: Bennett *et al.*  
Filed: September 27, 1996  
Our reference No.: 104385.140

Dear Ms. Fink,

In furtherance of our prosecution of the above named patent, please sign the enclosed Declaration in blue ink and return it to me as soon as possible.

A return envelope is provided for your convenience.

If you have any questions regarding your Declaration or the present proceedings in the U.S. Patent and Trademark Office, please feel free to contact me directly at 415-884-6709 or [lbigornia@bmrn.com](mailto:lbigornia@bmrn.com).

Sincerely,

Luisa Bigornia Ph.D., Esq.

LSB/rvc